

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P416955

Luminaire Tested: **LXF.LXT-PA1-80-830-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-830-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6121 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

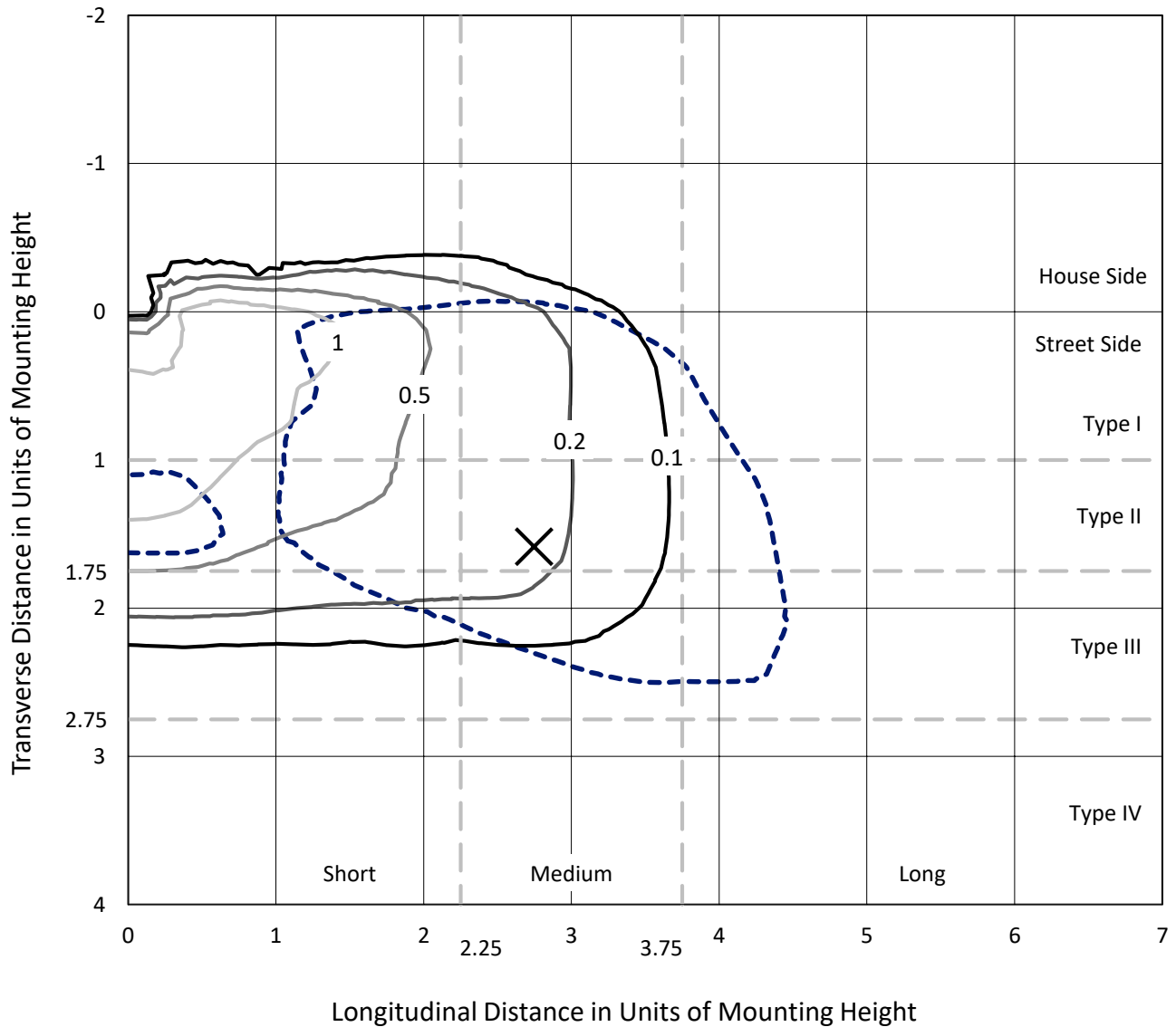
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416955
 CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

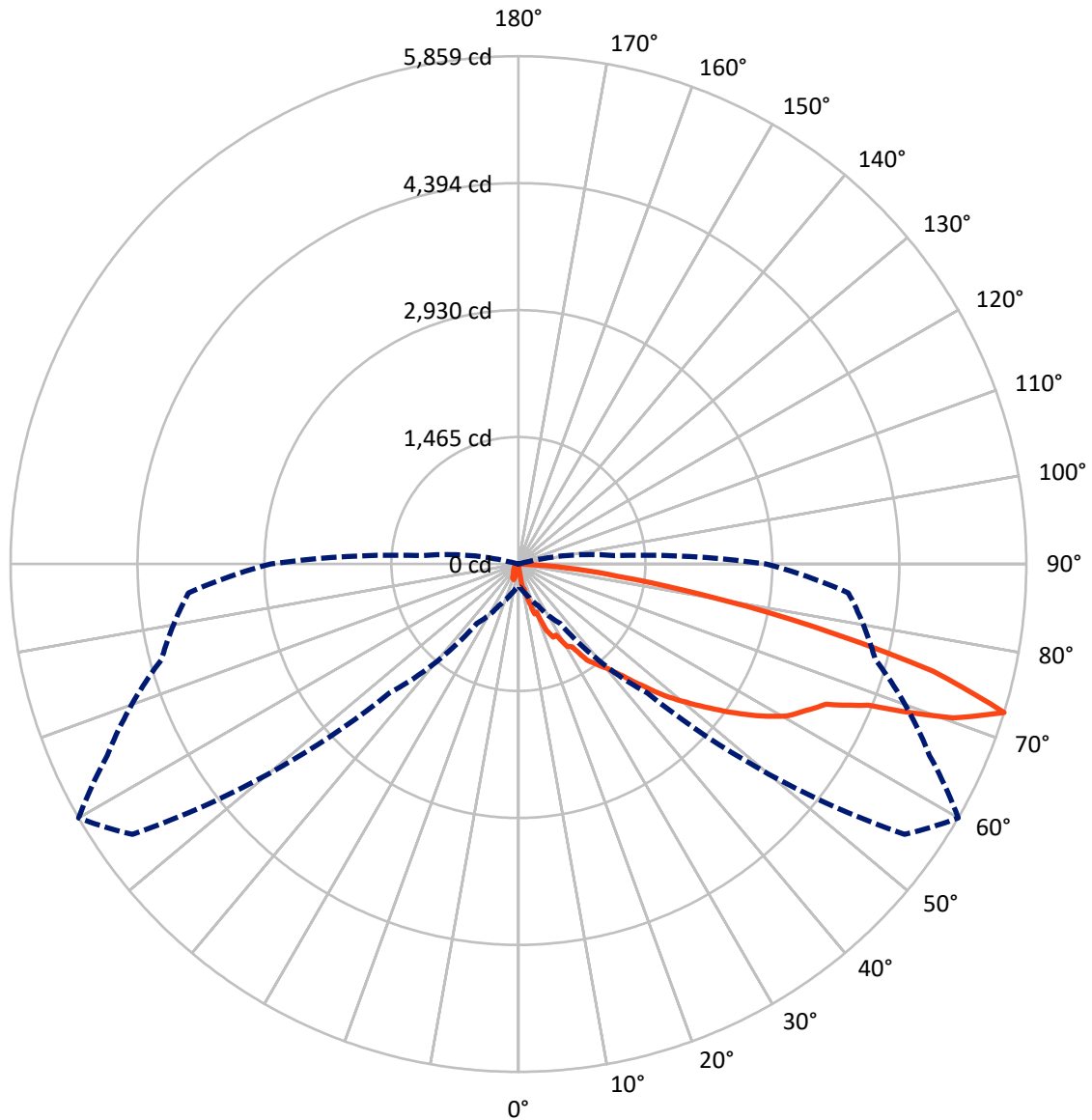
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P416955
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P416955

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-HSS

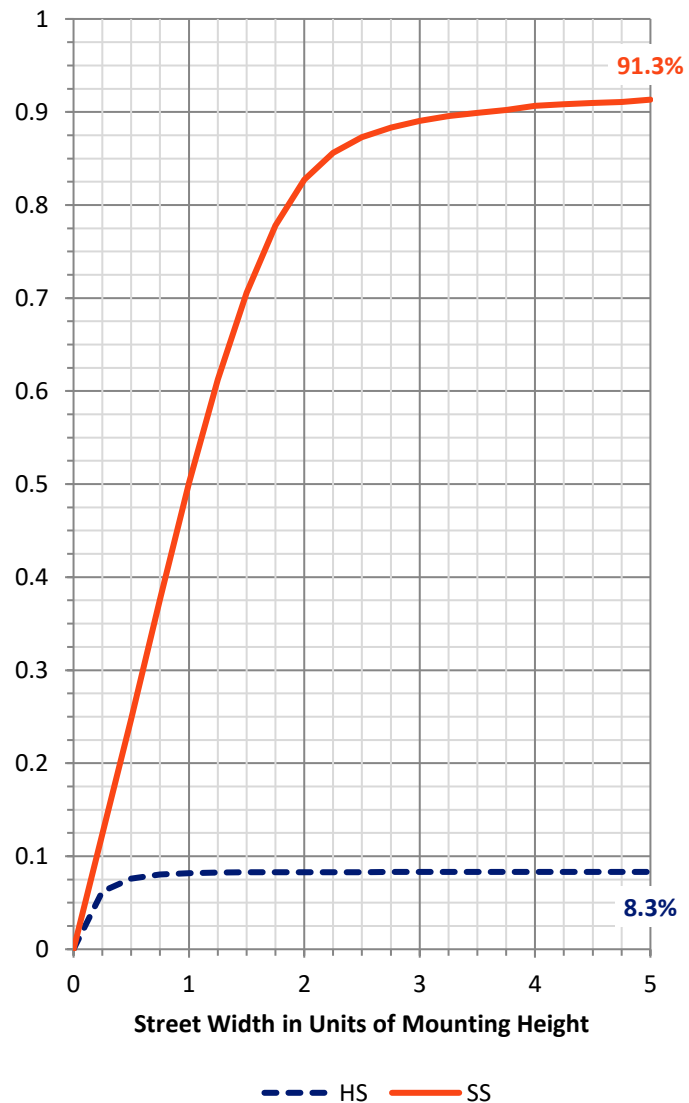
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	513.4	0.0	513.4
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5607.6	0.0	5607.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	6121.0	0.0	6121.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	0.1
10°-20°	85.3	1.4
20°-30°	266.6	4.4
30°-40°	574.8	9.4
40°-50°	977.3	16.0
50°-60°	1444.8	23.6
60°-70°	1571.6	25.7
70°-80°	1071.1	17.5
80°-90°	121.5	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6121.0	100.0
0°-180°	6121.0	100.0



REPORT NUMBER: P416955

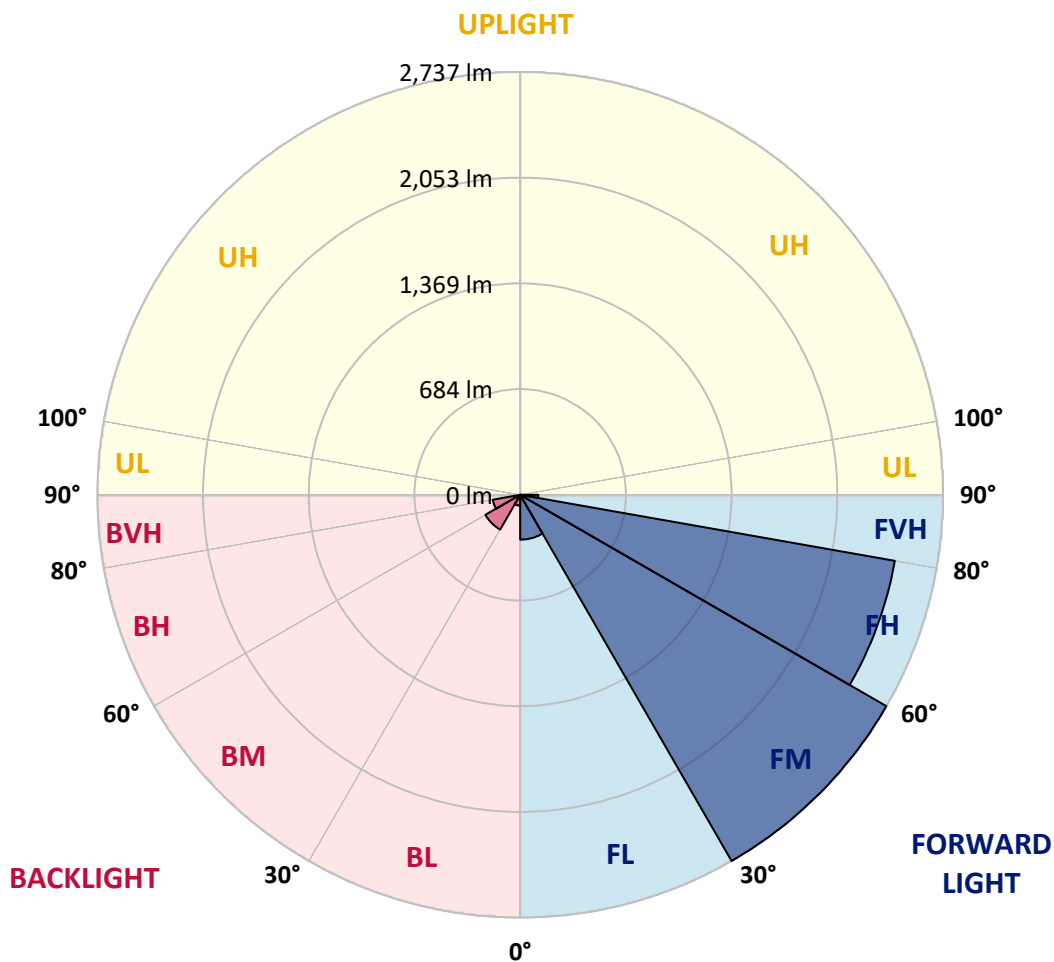
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.9	4.7			
FM	(30°-60°)	2737.2	44.7			
FH	(60°-80°)	2462.7	40.2			G2/5000
FVH	(80°-90°)	117.8	1.9			G2/225
BL	(0°-30°)	70.2	1.1	B0/110		
BM	(30°-60°)	259.6	4.2	B1/1000		
BH	(60°-80°)	179.9	2.9	B1/500		G1/500
BVH	(80°-90°)	3.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





REPORT NUMBER: P416955

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	5.6	4.0	4.0	3.2	2.4	2.4	2.4	3.2	3.2	2.4	3.2
5°	313.1	309.1	309.1	310.7	201.8	34.2	19.1	7.9	3.2	3.2	3.2
7.5°	297.2	294.0	295.6	299.6	302.0	305.9	305.9	93.8	30.2	3.2	3.2
10°	304.4	302.0	289.3	286.9	291.6	295.6	297.2	304.4	295.6	8.7	3.2
12.5°	535.6	531.6	531.6	538.8	313.1	286.1	289.3	296.4	255.9	33.4	18.3
15°	512.6	509.4	510.2	518.9	530.8	376.7	297.2	440.2	565.0	510.2	405.3
17.5°	715.2	615.9	532.4	507.0	509.4	526.1	576.1	605.5	574.5	580.9	441.8
20°	730.3	724.7	721.5	727.1	521.3	693.7	732.7	594.4	578.5	622.2	815.3
22.5°	755.7	743.0	717.6	714.4	802.6	683.4	709.6	831.2	853.5	911.5	848.7
25°	1023.5	1014.0	987.8	751.7	823.3	785.1	894.8	935.3	921.8	959.9	920.2
27.5°	1124.4	1106.2	1049.7	975.8	874.1	925.8	905.1	927.4	1018.0	1322.3	1297.7
30°	1575.8	1527.3	1371.6	1123.6	1039.4	963.9	1052.9	1099.8	1176.1	1353.3	1330.3
32.5°	1712.5	1660.8	1548.0	1430.4	1231.7	1092.7	1158.6	1138.0	1192.8	1651.3	1746.7
35°	2110.6	2086.8	1883.3	1556.7	1505.9	1288.9	1216.6	1358.9	1439.9	1674.3	1835.7
37.5°	2115.4	2117.0	2105.0	1884.1	1651.3	1448.7	1462.2	1467.7	1530.5	1784.0	1939.0
40°	2182.9	2194.1	2223.5	2056.6	1860.3	1679.9	1644.1	1588.5	1644.1	1907.2	2080.4
42.5°	2324.4	2332.3	2397.5	2223.5	2025.6	1860.3	1878.6	1764.9	1805.5	2140.0	2272.7
45°	2573.1	2568.3	2650.2	2399.1	2179.7	2066.1	2086.8	1999.4	1974.7	2330.7	2498.4
47.5°	2854.4	2871.9	2868.7	2593.0	2333.1	2257.6	2317.2	2270.3	2173.4	2573.9	2761.4
50°	3120.6	3115.1	3032.4	2702.6	2469.8	2445.2	2582.6	2505.6	2417.4	2821.0	3014.9
52.5°	3217.6	3222.3	3123.8	2768.6	2586.6	2631.1	2836.9	2759.1	2644.6	2997.5	3266.8
55°	3200.1	3206.4	3150.8	2836.1	2674.0	2805.1	3100.8	3034.0	2905.3	3189.0	3456.0
57.5°	3036.4	3036.4	3081.7	2878.3	2759.1	2960.9	3336.0	3309.0	3150.0	3347.9	3568.8
60°	2618.4	2662.9	2805.1	2827.4	2859.2	3129.4	3568.8	3560.1	3367.0	3496.5	3635.6
62.5°	2013.7	2028.0	2342.7	2581.0	2867.1	3355.8	3765.1	3723.0	3527.5	3541.8	3682.4
65°	1141.9	1207.1	1497.9	2100.3	2704.2	3592.6	4080.6	3900.2	3668.1	3595.8	3854.9
67.5°	615.1	638.9	801.0	1271.5	2216.3	3618.9	4795.8	4350.0	4001.9	3880.3	4192.6
70°	397.3	422.8	510.2	698.5	1389.9	3200.1	5468.8	5318.6	4690.9	4269.7	4244.3
72.5°	258.3	273.4	367.9	526.1	836.0	2108.2	5437.8	5859.0	5235.2	4262.5	3820.7
75°	104.9	115.2	184.4	437.9	706.5	1033.1	4172.0	4940.4	4915.0	3788.1	2956.9
77.5°	52.4	55.6	81.8	236.8	627.0	715.2	2639.9	3484.6	3498.9	2761.4	1644.1
80°	34.2	33.4	46.9	111.3	427.5	650.8	1476.5	2140.8	2001.7	1047.4	460.9
82.5°	13.5	14.3	25.4	63.6	178.8	588.8	842.3	1152.3	901.1	204.2	132.7
85°	2.4	2.4	7.9	34.2	56.4	269.4	543.5	557.9	370.3	64.4	66.8
87.5°	0.8	0.8	1.6	2.4	4.0	6.4	23.8	11.1	7.2	11.1	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P416955

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	3.2	3.2	3.2	2.4	2.4	1.6	0.0	0.0	0.8	0.8	0.8
5°	3.2	3.2	3.2	2.4	2.4	0.8	0.0	0.0	0.8	0.8	0.8
7.5°	3.2	3.2	3.2	2.4	1.6	0.8	0.0	0.0	0.8	0.8	0.8
10°	3.2	3.2	3.2	2.4	1.6	0.8	23.0	147.0	151.8	152.6	151.0
12.5°	19.9	20.7	11.1	2.4	1.6	136.7	135.9	113.6	99.3	93.8	86.6
15°	431.5	410.0	339.3	200.3	110.5	112.0	82.6	61.2	49.3	46.1	44.5
17.5°	427.5	396.5	312.3	182.8	192.3	84.2	44.5	49.3	64.4	65.2	65.2
20°	803.4	704.9	305.1	204.2	129.5	73.1	58.0	61.2	61.2	62.0	61.2
22.5°	837.6	739.0	456.9	260.6	93.0	77.1	66.0	57.2	58.8	76.3	73.9
25°	844.7	724.7	423.6	204.2	89.8	77.1	72.3	69.9	78.7	78.7	79.5
27.5°	1217.4	1018.8	513.3	153.4	89.0	80.3	80.3	73.1	70.7	69.9	70.7
30°	1215.0	983.8	437.9	129.5	85.8	79.5	72.3	65.2	78.7	79.5	79.5
32.5°	1594.9	1257.9	423.6	104.9	85.8	73.1	63.6	67.5	62.8	62.8	62.8
35°	1617.1	1226.2	333.8	108.9	76.3	66.8	62.0	52.4	55.6	56.4	54.8
37.5°	1660.0	1203.9	253.5	98.5	76.3	62.0	50.9	46.9	43.7	42.9	42.9
40°	1737.1	1205.5	195.5	90.6	71.5	56.4	45.3	38.1	39.7	39.7	38.9
42.5°	1852.3	1228.5	153.4	83.4	64.4	50.1	38.1	34.2	31.8	31.8	31.0
45°	2004.9	1277.8	125.6	77.9	58.8	42.9	31.0	27.8	25.4	25.4	24.6
47.5°	2194.1	1346.9	109.7	72.3	52.4	35.8	25.4	22.3	20.7	19.9	19.9
50°	2395.9	1429.6	100.9	67.5	45.3	28.6	20.7	17.5	15.9	15.9	15.1
52.5°	2604.9	1524.2	93.8	64.4	38.9	23.8	15.9	12.7	11.9	11.1	11.9
55°	2774.2	1581.4	89.0	63.6	32.6	19.1	11.9	9.5	8.7	7.9	7.9
57.5°	2885.4	1612.4	82.6	58.8	26.2	14.3	8.7	6.4	5.6	5.6	5.6
60°	2972.8	1629.8	74.7	46.9	20.7	10.3	5.6	4.0	4.0	4.0	4.0
62.5°	3042.0	1641.8	62.8	36.6	15.9	7.2	4.0	2.4	2.4	2.4	2.4
65°	3247.0	1711.7	48.5	27.8	11.9	4.8	2.4	1.6	0.8	1.6	1.6
67.5°	3496.5	1741.1	35.8	19.9	8.7	3.2	1.6	0.8	0.8	0.8	1.6
70°	3398.0	1517.0	26.2	14.3	6.4	2.4	1.6	0.8	0.8	0.8	1.6
72.5°	2855.2	1108.5	19.1	10.3	4.8	2.4	1.6	0.8	0.8	1.6	1.6
75°	2053.4	625.4	15.1	7.2	4.0	2.4	1.6	1.6	1.6	2.4	2.4
77.5°	966.3	232.8	15.1	6.4	4.0	2.4	1.6	1.6	2.4	3.2	1.6
80°	234.4	58.0	15.1	5.6	4.0	2.4	2.4	2.4	3.2	3.2	1.6
82.5°	78.7	24.6	11.1	4.8	4.0	2.4	2.4	3.2	3.2	4.0	2.4
85°	47.7	15.9	7.9	5.6	4.8	2.4	3.2	3.2	4.0	4.8	2.4
87.5°	7.9	6.4	5.6	5.6	4.8	3.2	3.2	4.0	4.0	4.8	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)